Equalization Historical Data
Light Crude and Condensate

Historical Information Light Crude EQ Factors				Historical Information Condensate EQ Data							
Year		Density EQ Factor	Sulphur EQ Factor	C5+ Price	C4 Price	Hvy Price	Ref T	Avg C5+ Density	Calculated Blend Density	Density EQ Factor	Sulphur EQ Factor
		$/m3 per kg/m3	$/m3 per 0.1wt% Sulphur	$	$	$	°C	kg/m^3	kg/m^3	$/m3 per kg/m3	$/m3 per 0.1wt%Sulphur
1994	Jul										
1994	Aug	0.19	0.78								
1994	Sep	0.19	0.78								
1994	Oct	0.19	0.78								
1994	Nov	0.19	0.78								
1994	Dec	0.19	0.78								
1995	Jan	0.19	0.78								
1995	Feb	0.19	0.78								
1995	Mar	0.19	0.78								
1995	Apr	0.19	0.78								
1995	May	0.19	0.78								
1995	Jun	0.19	0.78								
1995	Jul	0.13	0.31								
1995	Aug	0.13	0.31								
1995	Sep	0.13	0.31								
1995	Oct	0.13	0.31								
1995	Nov	0.13	0.31								
1995	Dec	0.13	0.31								
1996	Jan	0.13	0.31								
1996	Feb	0.13	0.31								
1996	Mar	0.13	0.31								
1996	Apr	0.13	0.31								
1996	May	0.13	0.31								
1996	Jun	0.13	0.31								
1996	Jul	0.11	0.54								
1996	Aug	0.11	0.54								
1996	Sep	0.11	0.54								
1996	Oct	0.11	0.54								
1996	Nov	0.11	0.54								
1996	Dec	0.11	0.54								
1997	Jan	0.11	0.54								
1997	Feb	0.11	0.54								
1997	Mar	0.11	0.54								
1997	Apr	0.11	0.54								
1997	May	0.11	0.54								
1997	Jun	0.11	0.54								
1997	Jul	0.14	0.70								
1997	Aug	0.14	0.70								
1997	Sep	0.14	0.70								
1997	Oct	0.14	0.70								
1997	Nov	0.14	0.70	208.58	125.00	110.86	10.50	720.5		**0.32**	0.70
1997	Dec	0.14	0.70	197.55	106.00	92.26	8.50	729.9		**0.39**	0.70
1998	Jan	0.14	0.70	175.69	106.00	82.12	6.25	729.7		**0.34**	0.70
1998	Feb	0.14	0.70	169.73	92.00	76.64	6.00	730.2		**0.34**	0.70
1998	Mar	0.14	0.70	160.18	82.00	70.25	7.00	737.1		**0.33**	0.70
1998	Apr	0.14	0.70	152.84	75.00	74.77	9.00	734.9		**0.26**	0.70
1998	May	0.14	0.70	127.90	75.00	70.01	12.00	724.7		**0.14**	0.70
1998	Jun	0.14	0.70	121.18	70.00	68.68	13.50	726.3		**0.11**	0.70
1998	Jul	0.14	1.00	122.06	60.00	85.81	16.50	721.3		**0.03**	1.00
1998	Aug	0.14	1.00	119.84	68.00	88.95	17.75	717.8		**0.00**	1.00
1998	Sep	0.14	1.00	135.73	68.00	104.09	18.00	718.7		**0.01**	1.00
1998	Oct	0.14	1.00	134.73	72.00	99.81	16.50	723.7		**0.03**	1.00
1998	Nov	0.14	1.00	121.87	81.00	85.83	11.25	727.0		**0.04**	1.00
1998	Dec	0.14	1.00	101.40	63.00	70.58	8.50	720.0		**0.01**	1.00
1999	Jan	0.14	1.00	109.55	50.00	84.01	7.00	711.7		**-0.02**	1.00
1999	Feb	0.14	1.00	105.94	65.00	84.18	6.50	710.4		**-0.04**	1.00
1999	Mar	0.14	1.00	131.83	69.00	111.41	6.00	716.6		**0.00**	1.00
1999	Apr	0.14	1.00	154.46	85.37	118.69	6.75	715.3		**0.02**	1.00
1999	May	0.14	1.00	155.79	93.94	118.96	8.75	725.2		**0.04**	1.00
1999	Jun	0.14	1.00	156.22	95.60	120.74	12.50	719.0		**0.03**	1.00
1999	Jul	0.13	0.66	177.25	120.97	143.95	16.50	714.5		**0.02**	0.66
1999	Aug	0.13	0.66	190.19	139.31	161.53	17.50	712.2		**0.00**	0.66
1999	Sep	0.13	0.66	213.53	146.50	187.77	16.50	716.9		**0.00**	0.66
1999	Oct	0.13	0.66	203.13	162.35	167.19	13.00	714.8		**0.03**	0.66
1999	Nov	0.13	0.66	229.57	163.60	169.15	9.50	721.9		**0.15**	0.66
1999	Dec	0.13	0.66	251.67	169.29	181.33	7.50	728.5		**0.21**	0.66
2000	Jan	0.13	0.66	256.46	184.55	193.23	7.00	729.8		**0.18**	0.66
2000	Feb	0.13	0.66	277.43	213.45	219.38	6.50	719.9		**0.14**	0.66
2000	Mar	0.13	0.66	281.53	209.62	221.35	6.00	722.7		**0.16**	0.66
2000	Apr	0.13	0.66	243.11	163.72	181.97	6.75	720.1		**0.16**	0.66
2000	May	0.13	0.66	279.34	192.97	217.31	8.75	720.9		**0.16**	0.66
2000	Jun	0.13	0.66	298.75	220.16	235.93	12.50	722.7		**0.16**	0.66
2000	Jul	0.13	0.66	279.07	209.25	216.84	16.50	714.6		**0.14**	0.66
2000	Aug	0.13	0.66	285.53	211.10	229.85	17.50	709.3		**0.11**	0.66
2000	Sep	0.13	0.66	314.33	250.01	241.45	16.50	704.3		**0.17**	0.66
2000	Oct	0.13	0.66	322.59	247.97	185.75	13.00	718.7		**0.49**	0.66
2000	Nov	0.13	0.66	349.74	257.62	182.45	9.50	722.4		**0.65**	0.66
2000	Dec	0.13	0.66	304.73	282.36	125.23	7.50	720.3		**0.71**	0.66
2001	Jan	0.13	0.66	314.51	276.82	148.28	7.50	723.4		**0.66**	0.66
2001	Feb	0.13	0.66	318.02	237.49	154.99	7.50	720.1		**0.63**	0.66
2001	Mar	0.13	0.66	302.79	214.24	145.68	7.50	720.4		**0.61**	0.66
2001	Apr	0.13	0.66	305.37	222.11	155.63	8.00	730.7		**0.61**	0.66
2001	May	0.13	0.66	309.69	207.12	162.47	10.50	724.8		**0.57**	0.66
2001	Jun	0.13	0.66	292.53	173.47	158.16	14.00	726.2		**0.50**	0.66
2001	Jul	0.33	0.97	278.06	140.84	174.61	16.50	712.8		**0.12**	0.97

Condensate EQ with a Butane penalty Only

Historical Information Light Crude EQ Factors				Historical Information Condensate EQ Data							
Year		Density EQ Factor	Sulphur EQ Factor	C5+ Price	C4 Price	Hvy Price	Ref T	Avg C5+ Density	Calculated Blend Density	Density EQ Factor	Sulphur EQ Factor
		$/m3 per kg/m3	$/m3 per 0.1wt% Sulphur	$	$	$	°C	kg/m^3	kg/m^3	$/m3 per kg/m3	$/m3 per 0.1wt%Sulphur
2001	**Aug**	0.33	0.97	254.37	155.73	213.54	18.25	712.5		**0.00**	0.97
2001	**Sep**	0.33	0.97	244.42	163.11	151.80	17.75	715.9		**0.07**	0.97
2001	**Oct**	0.33	0.97	209.39	144.18	111.10	14.75	721.2		**0.12**	0.97
2001	**Nov**	0.33	0.97	187.62	118.70	88.33	11.50	714.7		**0.11**	0.97
2001	**Dec**	0.33	0.97	186.51	94.27	108.88	9.00	708.3		**0.01**	0.97
2002	**Jan**	0.33	0.97	189.24	109.66	124.25	7.75	717.9		**0.18**	0.97
2002	**Feb**	0.33	0.97	198.96	120.89	141.74	7.75	708.8		**0.15**	0.97
2002	**Mar**	0.33	0.97	236.20	140.74	195.87	8.00	716.2		**0.10**	0.97
2002	**Apr**	0.33	0.97	261.52	153.51	207.43	8.75	717.5		**0.14**	0.97
2002	**May**	0.33	0.97	263.41	149.93	198.64	11.25	721.0		**0.17**	0.97
2002	**Jun**	0.33	0.97	247.09	138.83	186.71	14.75	719.9		**0.16**	0.97
2002	**Jul**	0.30	1.42	260.51	141.51	217.34	17.50	718.1		**0.11**	1.42
2002	**Aug**	0.30	1.42	275.73	170.02	224.39	18.25	711.6		**0.13**	1.42
2002	**Sep**	0.30	1.42	293.59	199.93	218.60	17.75	713.9		**0.19**	1.42
2002	**Oct**	0.30	1.42	289.82	208.33	197.58	14.75	715.6		**0.24**	1.42
2002	**Nov**	0.30	1.42	263.28	202.24	177.24	11.50	710.5		**0.22**	1.42
2002	**Dec**	0.30	1.42	290.72	213.53	214.38	9.00	711.8		**0.20**	1.42
2003	**Jan**	0.30	1.42	317.18	261.84	249.20	7.75	711.2		**0.17**	1.42
2003	**Feb**	0.30	1.42	343.77	276.51	254.97	7.50	713.9		**0.23**	1.42
2003	**Mar**	0.30	1.42	317.26	261.04	221.48	7.50	716.2		**0.25**	1.42
2003	**Apr**	0.30	1.42	275.82	181.49	178.76	8.75	720.8		**0.26**	1.42
2003	**May**	0.30	1.42	251.15	173.31	186.74	10.50	714.3		**0.17**	1.42
2003	**Jun**	0.30	1.42	263.96	181.76	202.72	14.00	715.2		**0.16**	1.42
2003	**Jul**	0.26	1.24	271.47	178.33	188.89	16.50	712.8		**0.21**	1.24
2003	**Aug**	0.26	1.24	273.45	189.09	199.70	18.25	713.0		**0.19**	1.24
2003	**Sep**	0.26	1.24	232.41	194.67	165.95	17.75	713.7		**0.17**	1.24
2003	**Oct**	0.26	1.24	246.87	209.10	168.67	14.75	712.0		**0.20**	1.24
2003	**Nov**	0.26	1.24	261.42	217.67	162.55	11.50	717.3		**0.27**	1.24
2003	**Dec**	0.26	1.24	275.21	228.03	185.24	9.00	725.1		**0.25**	1.24
2004	**Jan**	0.26	1.24	297.60	252.17	203.82	7.75	713.1		**0.25**	1.24
2004	**Feb**	0.26	1.24	295.45	218.99	209.66	7.50	712.8		**0.22**	1.24
2004	**Mar**	0.26	1.24	321.61	211.67	214.78	7.50	718.9		**0.29**	1.24
2004	**Apr**	0.26	1.24	361.45	214.67	209.54	8.00	723.7		**0.42**	1.24
2004	**May**	0.26	1.24	373.98	242.58	243.60	10.50	731.9		**0.37**	1.24
2004	**Jun**	0.26	1.24	343.97	249.72	231.08	14.00	716.6		**0.30**	1.24
2004	**Jul**	0.26	1.24	330.46	251.06	253.10	16.50	707.7		**0.19**	1.24
2004	**Aug**	0.32	1.06	361.51	276.01	271.00	18.25	713.3		**0.23**	1.06
2004	**Sep**	0.32	1.06	368.37	268.25	246.57	17.75	709.3		**0.31**	1.06
2004	**Oct**	0.32	1.06	414.31	311.73	294.53	14.73	709.7		**0.31**	1.06
2004	**Nov**	0.32	1.06	373.35	295.06	206.43	11.50	706.1		**0.44**	1.06
2004	**Dec**	0.32	1.06	369.37	258.31	151.53	8.98	722.7		**0.61**	1.06
2005	**Jan**	0.32	1.06	441.98	252.20	223.66	7.74	723.3		**0.61**	1.06
2005	**Feb**	0.51	2.13	525.80	269.72	215.48	7.50	724.9		**0.88**	2.13
2005	**Mar**	0.51	2.13	482.78	293.18	257.86	7.50	730.4		**0.65**	2.13
2005	**Apr**	0.51	2.13	475.43	292.85	234.49	8.00	727.6		**0.69**	2.13
2005	**May**	0.51	2.13	429.37	263.26	213.35	10.53	724.8		**0.61**	2.13
2005	**Jun**	0.51	2.13	449.24	266.33	300.99	14.00	717.9		**0.40**	2.13
2005	**Jul**	0.51	2.13	468.98	286.82	347.01	16.52	713.5		**0.31**	2.13
2005	**Aug**	0.73	1.48	560.28	302.77	362.57	18.26	727.7		**0.54**	1.48
2005	**Sep**	0.73	1.48	537.46	353.01	308.66	17.75	724.9		**0.63**	1.48
2005	**Oct**	0.73	1.48	500.54	381.90	311.93	14.73	722.8		**0.50**	1.48
2005	**Nov**	0.73	1.48	492.15	343.67	246.31	11.50	723.5		**0.66**	1.48
2005	**Dec**	0.73	1.48	473.44	350.44	232.33	8.98	726.3		**0.66**	1.48
2006	**Jan**	0.73	1.48	481.37	365.77	278.49	7.74	717.3		**0.52**	1.48
2006	**Feb**	1.06	1.34	455.10	338.51	207.77	7.50	708.4		**0.62**	1.34
2006	**Mar**	1.06	1.34	490.42	330.73	265.53	7.50	723.3		**0.60**	1.34
2006	**Apr**	1.06	1.34	536.95	351.50	372.53	8.00	725.0		**0.43**	1.34
2006	**May**	1.06	1.34	525.46	352.25	398.04	10.53	718.7		**0.32**	1.34
2006	**Jun**	1.06	1.34	568.45	347.39	360.62	14.00	724.5		**0.56**	1.34
2006	**Jul**	1.06	1.34	575.09	376.33	411.01	16.52	728.4		**0.44**	1.34
2006	**Aug**	0.95	2.00	531.39	386.43	391.23	18.26	727.3		**0.37**	2.00
2006	**Sep**	0.95	2.00	439.05	345.71	290.70	17.75	717.8		**0.39**	2.00
2006	**Oct**	0.95	2.00	408.34	299.11	259.74	14.73	716.0		**0.38**	2.00
2006	**Nov**	0.95	2.00	402.00	287.00	275.79	11.50	**713.8**		**0.32**	2.00
2006	**Dec**	0.95	2.00	480.20	286.67	314.53	8.98	709.8		**0.41**	2.00
2007	**Jan**	0.95	2.00	436.80	277.90	278.61	7.74	716.6		**0.40**	2.00
2007	**Feb**	0.72	2.15	463.66	283.15	321.79	7.50	717.4		**0.36**	2.15
2007	**Mar**	0.72	2.15	454.74	292.96	329.57	7.50	707.5		**0.30**	2.15
2007	**Apr**	0.72	2.15	483.95	349.44	310.21	8.00	708.4		**0.43**	2.15
2007	**May**	0.72	2.15	484.22	363.01	313.44	10.53	707.6		**0.42**	2.15
2007	**Jun**	0.72	2.15	500.00	343.41	311.82	14.00	705.8		**0.47**	2.15
2007	**Jul**	0.72	2.15	575.98	339.29	346.43	16.52	717.6		**0.61**	2.15
2007	**Aug**	0.59	2.45	537.63	345.64	345.60	18.26	710.9		**0.50**	2.45
2007	**Sep**	0.59	2.45	579.72	377.34	335.81	17.75	723.2		**0.67**	2.45
2007	**Oct**	0.59	2.45	561.97	390.77	327.79	14.73	715.1		**0.61**	2.45
2007	**Nov**	0.59	2.45	601.36	433.69	392.00	11.50	710.9		**0.53**	2.45
2007	**Dec**	0.59	2.45	665.36	453.17	304.05	8.98	716.7		**0.95**	2.45
2008	**Jan**	0.59	2.45	656.55	472.47	428.24	7.74	707.9		**0.56**	2.45
2008	**Feb**	1.00	2.06	661.33	441.38	443.63	7.50	708.6		**0.53**	2.06
2008	**Mar**	1.00	2.06	735.06	450.22	553.13	7.50	718.6		**0.46**	2.06
2008	**Apr**	1.00	2.06	836.64	450.85	597.76	8.00	722.8		**0.62**	2.06
2008	**May**	1.00	2.06	872.05	495.63	648.37	10.53	723.1		**0.58**	2.06
2008	**Jun**	1.00	2.06	921.91	537.53	684.55	14.00	713.1		**0.59**	2.06
2008	**Jul**	1.00	2.06	870.28	564.89	724.01	16.52	713.7		**0.35**	2.06
2008	**Aug**	0.77	2.21	793.89	484.68	661.86	18.26	713.9		**0.32**	2.21
2008	**Sep**	0.77	2.21	704.61	422.61	549.93	17.75	709.7		**0.38**	2.21
2008	**Oct**	0.77	2.21	568.54	270.27	424.56	14.73	711.1		**0.36**	2.21

Historical Information Light Crude EQ Factors				Historical Information Condensate EQ Data							
Year		Density EQ Factor	Sulphur EQ Factor	C5+ Price	C4 Price	Hvy Price	Ref T	Avg C5+ Density	Calculated Blend Density	Density EQ Factor	Sulphur EQ Factor
		$/m3 per kg/m3	$/m3 per 0.1wt% Sulphur	$	$	$	°C	kg/m^3	kg/m^3	$/m3 per kg/m3	$/m3 per 0.1wt%Sulphur
2008	Nov	0.77	2.21	433.43	167.89	278.81	11.50	709.2		**0.39**	2.21
2008	Dec	0.77	2.21	329.74	143.64	171.12	8.98	716.7		**0.41**	2.21
2009	Jan	0.77	2.21	356.47	168.80	224.39	7.74	719.2		**0.34**	2.21
2009	Feb	0.88	0.97	327.92	189.05	243.52	7.50	711.8		**0.21**	0.97
2009	Mar	0.88	0.97	400.71	171.40	320.35	7.50	704.8		**0.19**	0.97
2009	Apr	0.88	0.97	387.01	183.33	332.23	8.00	707.3		**0.12**	0.97
2009	May	0.88	0.97	415.61	183.33	370.83	10.53	705.9		**0.09**	0.97
2009	Jun	0.88	0.97	465.99	225.61	430.72	14.00	707.4		**0.07**	0.97
2009	Jul	0.88	0.97	430.33	222.53	381.53	16.52	704.6		**0.10**	0.97
2009	Aug	0.43	0.58	469.36	239.41	411.51	18.26	708.4		**0.13**	0.58
2009	Sep	0.43	0.58	464.52	258.33	403.57	17.75	710.4		**0.14**	0.58
2009	Oct	0.43	0.58	480.94	264.95	430.66	14.73	705.1		**0.11**	0.58
2009	Nov	0.43	0.58	501.67	303.89	426.13	11.50	711.6		**0.17**	0.58
2009	Dec	0.43	0.58	500.98	307.50	404.27	8.98	723.5		**0.24**	0.58
2010	Jan	0.43	0.58	535.86	335.97	450.08	7.74	729.4		**0.22**	0.58
2010	Feb	0.32	0.81	558.66	333.75	446.35	7.50	730.3		**0.29**	0.81
2010	Mar	0.32	0.81	571.93	322.31	455.27	7.50	730.0		**0.30**	0.81
2010	Apr	0.32	0.81	589.14	314.89	447.99	8.00	726.2		**0.37**	0.81
2010	May	0.32	0.81	529.32	283.71	368.28	10.53	733.2		**0.45**	0.81
2010	Jun	0.32	0.81	486.31	256.67	396.18	14.00	722.3		**0.23**	0.81
2010	Jul	0.32	0.81	488.99	256.67	417.31	16.52	712.0 r		**0.17**	0.81
2010	Aug	0.21	1.20	489.54	256.67	401.52	18.26	699.0		**0.20**	1.20
2010	Sep	0.21	1.20	483.25	256.67	355.85	17.75	704.2		**0.31**	1.20
2010	Oct	0.21	1.20	511.70	263.34	359.86	14.73	708.4		**0.38**	1.20
2010	Nov	0.21	1.20	535.74	273.71	439.67	11.50	699.8		**0.22**	1.20
2010	Dec	0.21	1.20	580.70	288.67	469.61	8.98	715.0		**0.27**	1.20
2011	Jan	0.21	1.20	570.63	300.00	436.21	7.74	717.8		**0.34**	1.20
2011	Feb	0.23	1.63	581.37	303.57	388.93	7.50	720.2		**0.50**	1.63
2011	Mar	0.23	1.63	678.10	269.44	474.09	7.50	712.5		**0.51**	1.63
2011	Apr	0.23	1.63	753.65	303.06	531.46	8.00	695.9		**0.51**	1.63
2011	May	0.23	1.63	646.14	274.97	517.05	10.53	695.5		**0.29**	1.63
2011	Jun	0.23	1.63	654.83	266.78	477.77	14.00	704.7		**0.43**	1.63
2011	Jul	0.23	1.63	651.93	249.55	461.74	16.52	707.8		**0.47**	1.63
2011	Aug	0.23	1.63	605.45	209.82	405.77	18.26	699.0		**0.49**	1.63
2011	Sep	0.23	1.63	625.36	210.17	450.43	17.75	709.2		**0.44**	1.63
2011	Oct	0.23	1.63	673.69	218.58	484.63	14.73	710.8		**0.47**	1.63
2011	Nov	0.23	1.63	733.35	256.84	556.65	11.50	708.2		**0.43**	1.63
2011	Dec	0.23	1.63	692.31	272.42	550.49	8.98	702.4		**0.33**	1.63
2012	Jan	0.23	1.63	678.24	270.00	538.93	7.74	709.8		**0.29**	1.63
2012	Feb	0.49	1.38	693.35	269.54	509.55	7.50	714.1		**0.41**	1.38
2012	Mar	0.49	1.38	708.50	277.50	460.61	7.50	715.5		**0.56**	1.38
2012	Apr	0.49	1.38	674.62	313.53	430.84	8.00	714.3		**0.55**	1.38
2012	May	0.49	1.38	649.93	291.81	471.66	10.53	713.2		**0.40**	1.38
2012	Jun	0.49	1.38	567.52	253.30	422.30	14.00	700.3		**0.31**	1.38
2012	Jul	0.49	1.38	578.51	235.60	406.82	16.52	708.2		**0.39**	1.38
2012	Aug	0.49	1.38	605.88	235.60	427.85	18.26	700.2		**0.39**	1.38
2012	Sep	0.49	1.38	617.65	239.77	478.96	17.75	699.6		**0.30**	1.38
2012	Oct	0.49	1.38	609.70	242.28	493.30	14.73	696.9		**0.24**	1.38
2012	Nov	0.49	1.38	595.88	244.60	450.59	11.50	717.7		**0.33**	1.38
2012	Dec	0.49	1.38	631.12	252.18	351.52	8.98	720.5		**0.66**	1.38
2013	Jan	0.49	1.38	685.45	259.60	373.01	7.74	714.2		**0.72**	1.38
2013	Feb	0.49	1.38	691.10	na	362.26	7.50	720.6		**0.78**	1.38
2013	Mar	0.49	1.38	665.40	na	427.01	7.50	719.0		**0.55**	1.38
2013	Apr	0.49	1.38	653.01	na	438.58	8.00	712.1		**0.48**	1.38
2013	May	0.49	1.38	649.65	na	516.25	10.53	698.0		**0.27**	1.38
2013	Jun	0.49	1.38	653.71	na	484.08	14.00	702.4		**0.37**	1.38
2013	Jul	0.49	1.38	692.86	na	590.09	16.52	686.7		**0.20**	1.38
2013	Aug	0.49	1.38	680.74	na	594.15	18.26	683.9		**0.16**	1.38
2013	Sep	0.49	1.38	660.74	na	542.35	17.75	690.9		**0.24**	1.38
2013	Oct	0.49	1.38	644.45	na	481.93	14.73	703.6		**0.35**	1.38
2013	Nov	0.49	1.38	579.31	na	411.52	11.50	714.5		**0.38**	1.38
2013	Dec	0.49	1.38	647.82	na	389.73	8.98	715.4		**0.60**	1.38
2014	Jan	0.49	1.38	676.20	na	450.04	7.74	706.4		**0.49**	1.38
2014	Feb	0.49	1.38	734.93	na	568.11	7.50	709.6 r		**0.36**	1.38
2014	Mar	0.49	1.38	726.07	na	550.39	7.50	704.9		**0.37**	1.38
2014	Apr	0.49	1.38	718.92	na	544.92	8.00	709.6		**0.37**	1.38
2014	May	0.49	1.38	720.87	na	559.48	10.53	700.9		**0.34**	1.38
2014	Jun	0.49	1.38	724.85	na	583.30	14.00	698.0		**0.29**	1.38
2014	Jul	0.49	1.38	669.64	na	554.48	16.52	700.8		**0.24**	1.38
2014	Aug	0.49	1.38	631.15	na	501.69	18.26	709.2		**0.28**	1.38
2014	Sep	0.49	1.38	618.65	na	511.68	17.75	708.8		**0.23**	1.38
2014	Oct	0.49	1.38	594.44	na	495.19	14.73	706.5		**0.21**	1.38
2014	Nov	0.49	1.38	525.11	na	443.36	11.50	704.3		**0.16**	1.38
2014	Dec	0.49	1.38	390.31	na	307.67	8.98	700.5		**0.17**	1.38
2015	Jan	0.49	1.38	323.44	na	224.40	7.74	706.3	918.9	**0.21**	1.38
2015	Feb	0.49	1.38	363.69	na	284.27	7.50	712.4	919.0	**0.17**	1.38
2015	Mar	0.49	1.38	380.71	na	271.43	7.50	722.6	919.6	**0.25**	1.38
2015	Apr	0.49	1.38	427.63	na	307.35	8.00	715.9	919.8	**0.27**	1.38
2015	May	0.49	1.38	467.03	na	361.57	10.53	709.9	922.7	**0.23**	1.38
2015	Jun	0.49	1.38	448.31	na	398.00	14.00	699.7	926.6	**0.09**	1.38
2015	Jul	0.49	1.38	377.10	na	344.17	16.52	703.4	930.0	**0.06**	1.38
2015	Aug	0.49	1.38	343.62	na	234.34	18.26	708.7	932.5	**0.25**	1.38
2015	Sep	0.49	1.38	371.59	na	213.85	17.75	716.1	932.2	**0.38**	1.38
2015	Oct	0.49	1.38	376.37	na	265.65	14.73	716.9	928.4	**0.26**	1.38
2015	Nov	0.49	1.38	349.20	na	229.14	11.50	726.2	924.8	**0.29**	1.38
2015	Dec	0.49	1.38	323.06	na	191.34	8.98	731.3	922.0	**0.33**	1.38
2016	Jan	0.49	1.38	309.94	na	156.15	7.74	732.1	920.5	**0.39**	1.38
2016	Feb	0.49	1.38	276.67	na	138.92	7.50	720.7	919.5	**0.33**	1.38

Historical Information Light Crude EQ Factors				Historical Information Condensate EQ Data							
Year		Density EQ Factor	Sulphur EQ Factor	C5+ Price	C4 Price	Hvy Price	Ref T	Avg C5+ Density	Calculated Blend Density	Density EQ Factor	Sulphur EQ Factor
		$/m3 per kg/m3	$/m3 per 0.1wt% Sulphur	$	$	$	°C	kg/m^3	kg/m^3	$/m3 per kg/m3	$/m3 per 0.1wt%Sulphur
2016	Mar	0.49	1.38	305.38	na	193.34	7.50	720.1	919.5	**0.26**	1.38
2016	Apr	0.49	1.38	327.20	na	220.52	8.00	722.4	920.2	**0.25**	1.38
2016	May	0.49	1.38	379.92	na	260.38	10.53	719.7	923.3	**0.28**	1.38
2016	Jun	0.49	1.38	365.28	na	290.83	14.00	711.8	927.2	**0.16**	1.38
2016	Jul	0.49	1.38	349.18	na	264.85	16.52	717.6	930.7	**0.19**	1.38
2016	Aug	0.49	1.38	338.85	na	247.75	18.26	725.6	933.2	**0.22**	1.38
2016	Sep	0.49	1.38	373.35	na	250.55	17.75	722.6	932.5	**0.30**	1.38
2016	Oct	0.49	1.38	408.36	na	295.19	14.73	716.7	928.4	**0.26**	1.38
2016	Nov	0.49	1.38	378.07	na	264.72	11.50	729.9	925.0	**0.28**	1.38
2016	Dec	0.49	1.38	430.43	na	306.08	8.98	733.8	922.1	**0.31**	1.38
2017	Jan	0.49	1.38	433.59	na	303.84	7.74	729.5	920.3	**0.31**	1.38
2017	Feb	0.49	1.38	445.91	na	319.61	7.50	732.8	920.2	**0.31**	1.38
2017	Mar	0.49	1.38	425.72	na	295.41	7.50	732.7	920.2	**0.32**	1.38
2017	Apr	0.49	1.38	432.31	na	307.08	8.00	723.6	920.3	**0.29**	1.38
2017	May	0.49	1.38	421.33	na	328.71	10.53	725.4	923.6	**0.21**	1.38
2017	Jun	0.49	1.38	375.83	na	294.02	14.00	725.6	927.9	**0.19**	1.38
2017	Jul	0.49	1.38	357.67	na	285.85	16.52	727.9	931.2	**0.17**	1.38
2017	Aug	0.49	1.38	378.23	na	301.66	18.26	731.9	933.5	**0.19**	1.38
2017	Sep	0.49	1.38	387.26	na	305.11	17.75	739.9	933.2	**0.21**	1.38
2017	Oct	0.49	1.38	422.72	na	313.89	14.73	736.9	929.4	**0.27**	1.38
2017	Nov	0.49	1.38	469.40	na	361.93	11.50	738.8	925.5	**0.27**	1.38
2017	Dec	0.49	1.38	500.42	na	349.27	8.98	733.8	922.1	**0.37**	1.38
2018	Jan	0.49	1.38	512.69	na	328.06	7.74	737.7	920.8	**0.47**	1.38
2018	Feb	0.49	1.38	478.77	na	295.01	7.50	736.6	920.5	**0.47**	1.38
2018	Mar	0.49	1.38	513.49	na	285.46	7.50	733.6	920.3	**0.58**	1.38
2018	Apr	0.49	1.38	556.36	na	318.27	8.00	736.8	921.1	**0.61**	1.38
2018	May	0.49	1.38	574.42	na	428.33	10.53	737.1	924.2	**0.36**	1.38
2018	Jun	0.49	1.38	549.84	na	427.05	14.00	743.4	928.8	**0.31**	1.38
2018	Jul	0.49	1.38	564.63	na	432.46	16.52	737.0	931.6	**0.33**	1.38
2018	Aug	0.49	1.38	532.13	na	398.74	18.26	744.5	934.1	**0.35**	1.38
2018	Sep	0.49	1.38	552.34	na	329.34	17.75	741.5	933.3	**0.60**	1.38
2018	Oct	0.49	1.38	482.84	na	327.75	14.73	750.7	930.1	**0.43**	1.38
2018	Nov	0.49	1.38	383.01	na	98.76	11.50	754.2	926.4	**0.83**	1.38
2018	Dec	0.49	1.38	255.12	na	59.63	8.98	744.5	922.7	**0.54**	1.38
2019	Jan	0.49	1.38	367.29	na	275.93	7.74	737.8	920.8	**0.22**	1.38
2019	Feb	0.49	1.38	435.68	na	368.12	7.50	726.2	919.8	**0.14**	1.38
2019	Mar	0.49	1.38	465.89	na	394.99	7.50	733.5	920.3	**0.15**	1.38
2019	Apr	0.49	1.38	510.40	na	438.89	8.00	744.3	921.5	**0.16**	1.38
2019	May	0.49	1.38	479.66	na	437.37	10.53	746.0	924.7	**0.08**	1.38
2019	Jun	0.49	1.38	420.26	na	339.91	14.00	738.7	928.6	**0.19**	1.38
2019	Jul	0.49	1.38	426.43	na	359.91	16.52	733.7	931.5	**0.15**	1.38
2019	Aug	0.49	1.38	424.65	na	350.19	18.26	729.9	933.4	**0.17**	1.38
2019	Sep	0.49	1.38	446.15	na	359.24	17.75	730.7	932.8	**0.20**	1.38
2019	Oct	0.49	1.38	389.46	na	334.61	14.73	739.3	929.5	**0.12**	1.38
2019	Nov	0.49	1.38	456.27	na	339.60	11.50	736.8	925.4	**0.28**	1.38
2019	Dec	0.49	1.38	474.73	na	312.34	8.98	741.8	922.6	**0.41**	1.38
2020	Jan	0.49	1.38	498.56	na	295.51	7.74	736.2	920.7	**0.50**	1.38
2020	Feb	0.49	1.38	415.34	na	219.39	7.50	723.9	919.7	**0.46**	1.38
2020	Mar	0.49	1.38	253.60	na	106.26	7.50	738.4	920.6	**0.38**	1.38
2020	Apr	0.49	1.38	165.75	na	21.36	8.00	735.3	921.0	**0.37**	1.38
2020	May	0.49	1.38	108.93	na	89.46	10.53	730.1	923.8	**0.04**	1.38
2020	Jun	0.49	1.38	305.31	na	282.48	14.00	742.2	928.8	**0.04**	1.38
2020	Jul	0.49	1.38	317.00	na	267.44	16.52	738.1	931.7	**0.11**	1.38
2020	Aug	0.49	1.38	317.82	na	283.27	18.26	741.6	933.9	**0.07**	1.38
2020	Sep	0.49	1.38	310.56	na	230.62	17.75	733.9	933.0	**0.19**	1.38
2020	Oct	0.49	1.38	316.67	na	254.94	14.73	739.5	929.5	**0.14**	1.38
2020	Nov	0.49	1.38	345.46	na	252.76	11.50	745.7	925.9	**0.23**	1.38
2020	Dec	0.49	1.38	382.72	na	293.77	8.98	735.8	922.2	**0.21**	1.38
2021	Jan	0.49	1.38	413.61	na	311.74	7.74	745.9	921.3	**0.25**	1.38
2021	Feb	0.49	1.38	476.39	na	351.65	7.50	736.9	920.5	**0.30**	1.38
2021	Mar	0.49	1.38	496.39	na	397.79	7.50	745.6	921.0	**0.24**	1.38
2021	Apr	0.49	1.38	501.29	na	389.52	8.00	743.1	921.5	**0.27**	1.38
2021	May	0.49	1.38	501.57	na	411.26	10.53	747.8	924.8	**0.22**	1.38
2021	Jun	0.49	1.38	537.06	na	443.21	14.00	744.9	928.9	**0.22**	1.38
2021	Jul	0.49	1.38	548.98	na	452.75	16.52	743.1	931.9	**0.23**	1.38
2021	Aug	0.49	1.38	525.80	na	425.50	18.26	748.8	934.3	**0.25**	1.38
2021	Sep	0.49	1.38	570.22	na	456.92	17.75	748.5	933.6	**0.28**	1.38
2021	Oct	0.49	1.38	645.39	na	535.86	14.73	746.9	929.9	**0.26**	1.38
2021	Nov	0.49	1.38	647.73	na	509.82	11.50	747.7	926.0	**0.34**	1.38
2021	Dec	0.49	1.38	589.02	na	418.55	8.98	741.2	922.6	**0.42**	1.38
2022	Jan	0.49	1.38	666.66	na	511.38	7.74	741.0	921.0	**0.37**	1.38
2022	Feb	0.49	1.38	751.07	na	624.62	7.50	745.0	921.0	**0.29**	1.38
2022	Mar	0.49	1.38	877.98	na	744.69	7.50	741.5	920.8	**0.30**	1.38
2022	Apr	0.49	1.38	836.44	na	701.04	8.00	741.7	921.4	**0.31**	1.38
2022	May	0.49	1.38	881.23	na	774.58	10.53	737.9	924.3	**0.22**	1.38
2022	Jun	0.49	1.38	888.72	na	809.13	14.00	738.9	928.6	**0.15**	1.38
2022	Jul	0.49	1.38	753.75	na	646.14	16.52	730.6	931.3	**0.23**	1.38
2022	Aug	0.49	1.38	713.29	na	556.67	18.26	731.2	933.5	**0.36**	1.38
2022	Sep	0.49	1.38	687.17	na	521.98	17.75	736.7	933.1	**0.40**	1.38
2022	Oct	0.49	1.38	733.37	na	558.27	14.73	736.2	929.4	**0.42**	1.38
2022	Nov	0.49	1.38	716.50	na	467.21	11.50	740.5	925.6	**0.63**	1.38
2022	Dec	0.49	1.38	688.96	na	384.42	8.98	730.8	922.0	**0.74**	1.38
2023	Jan	0.49	1.38	687.03	na	404.23	7.74	733.4	920.6	**0.69**	1.38
2023	Feb	0.49	1.38	674.46	na	420.46	7.50	734.6	920.3	**0.62**	1.38
2023	Mar	0.49	1.38	672.39	na	444.28	7.50	741.6	920.8	**0.57**	1.38
2023	Apr	0.49	1.38	704.91	na	528.32	8.00	739.9	921.3	**0.43**	1.38
2023	May	0.49	1.38	573.87	na	467.54	10.53	732.3	924.0	**0.24**	1.38
2023	Jun	0.49	1.38	553.36	na	463.76	14.00	733.6	928.3	**0.20**	1.38

Historical Information Light Crude EQ Factors				Historical Information Condensate EQ Data							
Year		**Density EQ Factor**	**Sulphur EQ Factor**	**C5+ Price**	**C4 Price**	**Hvy Price**	**Ref T**	**Avg C5+ Density**	**Calculated Blend Density**	**Density EQ Factor**	**Sulphur EQ Factor**
		$/m3 per kg/m3	$/m3 per 0.1wt% Sulphur	$	$	$	°C	kg/m^3	kg/m^3	$/m3 per kg/m3	$/m3 per 0.1wt%Sulphur
2023	**Jul**	0.49	1.38	594.01	na	525.56	16.52	733.5	931.4	**0.14**	1.38
2023	**Aug**	0.49	1.38	648.28	na	589.03	18.26	738.5	933.8	**0.11**	1.38
2023	**Sep**	0.49	1.38	734.14	na	619.31	17.75	738.5	933.2	**0.26**	1.38
2023	**Oct**	0.49	1.38	723.14	na	569.90	14.73	739.9	929.5	**0.37**	1.38
2023	**Nov**	0.49	1.38	666.17	na	479.36	11.50	737.7	925.5	**0.45**	1.38
2023	**Dec**	0.49	1.38	576.20	na	375.48	8.98	744.4	922.7	**0.51**	1.38
2024	**Jan**	0.49	1.38	602.94	na	447.78	7.74	743.3	921.2	**0.38**	1.38
2024	**Feb**	0.49	1.38	614.06	na	483.64	7.50	743.3	920.9	**0.31**	1.38
2024	**Mar**	0.49	1.38	642.78	na	513.73	7.50	740.4	920.7	**0.30**	1.38
2024	**Apr**	0.49	1.38	701.26	na	582.95	8.00	741.5	921.4	**0.27**	1.38
2024	**May**	0.49	1.38	636.91	na	559.74	10.53	734.6	924.1	**0.16**	1.38
2024	**Jun**	0.49	1.38	647.46	na	572.43	14.00	740.1	928.7	**0.16**	1.38
2024	**Jul**	0.49	1.38	660.47	na	577.17	16.52	738.9	931.7	**0.18**	1.38
2024	**Aug**	0.49	1.38	611.95	na	522.13	18.26	739.1	933.8	**0.20**	1.38
2024	**Sep**	0.49	1.38	563.93	na	473.12	17.75	744.5	933.5	**0.21**	1.38
2024	**Oct**	0.49	1.38	616.20	na	497.02	14.73	745.9	929.8	**0.29**	1.38
2024	**Nov**	0.49	1.38	611.65	na	501.15	11.50	738.8	925.5	**0.25**	1.38
2024	**Dec**	0.49	1.38	628.18	na	511.80	8.98	745.1	922.8	**0.28**	1.38
2025	**Jan**	0.49	1.38	674.85	na	562.25	7.74	741.8	921.1	**0.26**	1.38
2025	**Feb**	0.49	1.38	631.11	na	528.76	7.50	741.8	920.8	**0.23**	1.38
2025	**Mar**	0.49	1.38	586.83	na	485.21	7.50	745.7	921.0	**0.24**	1.38
2025	**Apr**	0.49	1.38	532.55	na	442.89	8.00	747.0	921.7	**0.21**	1.38
2025	**May**	0.49	1.38	523.58	na	446.18	10.53	747.1	924.8	**0.18**	1.38
2025	**Jun**	0.49	1.38	599.99	na	496.58	14.00	741.8	928.7	**0.24**	1.38
2025	**Jul**	0.49	1.38	573.53	na	497.50	16.52	744.2	931.9	**0.17**	1.38
2025	**Aug**	0.49	1.38	533.03	na	460.93	18.26	748.6	934.3	**0.16**	1.38
2025	**Sep**	0.49	1.38	537.03	na	444.45	17.75	748.5	933.6	**0.22**	1.38
2025	**Oct**	0.49	1.38	508.40	na	423.20	14.73	749.4	930.0	**0.20**	1.38
2025	**Nov**	0.49	1.38	503.29	na	427.04	11.50	745.1	925.9	**0.17**	1.38
2025	**Dec**	0.49	1.38	483.48	na	398.66	8.98	752.3	923.2	**0.21**	1.38
2026	**Jan**	0.49	1.38	522.51	na	402.80	7.74	753.4	921.8	**0.31**	1.38
2026	**Feb**	0.49	1.38	545.33	na	426.11	7.50	743.7	920.9	**0.29**	1.38
2026	**Mar**	0.49	1.38	774.99	na	647.15	7.50	744.4	920.9	**0.30**	1.38
2026	**Apr**	0.49	1.38	826.56	na	734.36	8.00	744.2	921.5	**0.19**	1.38
2026	**May**	0.49	1.38	920.14	na	708.55	10.53	742.7	924.5	**0.51**	1.38
2026	**Jun**	0.49	1.38	746.78	na	572.62	14.00	742.6	928.8	**0.43**	1.38
2026	**Jul**	0.49	1.38	637.97	na	588.27	16.52	739.2	931.7	**0.09**	1.38
2026	**Aug**	0.49	1.38	691.56	na	590.34	18.26	742.6	934.0	**0.23**	1.38
2026	**Sep**	0.49	1.38	837.74	na	698.56	17.75	745.3	933.5	**0.33**	1.38
2026	**Oct**	0.49	1.38	874.81	na	708.64	14.73	736.6	929.2	**0.38**	1.38

NOTES:

NOTES FOR CRUDE EQ:

The information contained in this file is collected from the Crude EQ letter and it may contain inaccuracies or typographical errors.

Nomenclature

Density	Penalty slope ($Cdn/m3 per kg/m3) calculated according to Crude EQ methodology.
Sulphur	Penalty slope ($Cdn / m3 per 0.1 wt% Sulphur) calculated according to Crude EQ methodology.

NOTES FOR CONDENSATE EQ:

The information contained in this file is collected from the monthly Condensate EQ letter and it may contain inaccuracies or or typographical errors.

Nomenclature

C5+ Price	Condensate allowance Price ($Cdn/m3). Source: Enbridge.
C4 Price *	Butane Price ($Cdn/m3). Arithmetic average Edmonton Posters currently Shell, Spectra and Keyera
Hvy Price	Heavy allowance Price ($Cdn/m3) volumetric weighted average. Source: Enbridge.
Ref T	Monthly average Enbridge Reference temperature (°C). Source: Enbridge.
Avg C5+ Density	Volumetric Weighted Average Enbridge Edmonton Condensate receipts (CRW) (kg/m3). Source: Enbridge.
Density EQ Factor	Penalty slope ($Cdn/m3 per kg/m3) calculated according to Condensate EQ methodology.
Sulphur EQ Factor	Penalty slope ($Cdn / m3 per 0.1 wt% Sulphur) calculated according to Crude EQ methodology.

* Effective February 2013 production month - no longer track butane price

* Effective January 2019 production month - Condensate EQ Model Update: on August, 2018 industry voted to update the shrinkage equation to API 12.3 and to update the Heavy Allowance Price basis to include Enbridge Edmonton Dilbit Pool.

* Effective May 2020 production: in accordance with industry vote in May 2020 on adjustments to address the effects of negative pricing. 1. In the event of a negative Condensate allowance price, the Deemed Butane penalty for that month will be set at zero. 2. In the event of negative condensate/heavy price differential, the density penalty will be set at zero for that month.

* Effective February 2023 production: in accordance with industry vote in December 2022, the Equalization Procedures Guide was updated and changes will take effect for the production month of February 2023.

* Effective October 2024 production: in accordance with industry vote in September 2024, the Equalization Procedures Guide was updated and changes will take effect for the production month of October 2024.

* Effective May 2026 production: in accordance with industry vote in April 2026, the Equalization Procedures Guide was updated and changes will take effect for the production month of May 2026.

* Effective October 2026 production, and in accordance with the June 2026 industry vote, the Equalization Procedures Guide was updated to reflect the approved Thermal/Conventional Factor (86%/14%). The document is available for download at www.industryeq.ca.